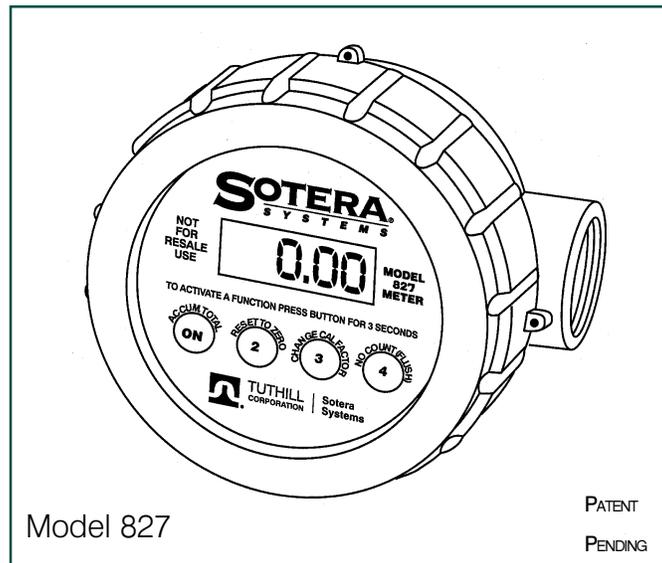




825 DIGITAL METER

For Models 825, 826, 827



OUTSTANDING FEATURES

- Quick , one-step calibration. No need to dispense fluid.
- 360° positionable display.
- Can be easily set to display in ounces, pints, quarts, liters, or gallons.
- Special unit of measure option available.
- Rugged corrosion resistant polypropylene body.
- Consistent accuracy for most Ag/Chem applications.
- Powered by two AA batteries.



TUTHILL CORPORATION

Sotera Systems

8825 Aviation Drive
Fort Wayne, Indiana USA 46809
Tel 219 747-9060 Fax 219 747-3934

Dear Sotera Customer,

Thank you for buying a Sotera product. Sotera Systems represents a new age in chemical handling products. This service guide contains valuable information about your new equipment and its operating and service requirements. Please take a few minutes to review this material carefully.

Sotera Systems' mission is to provide chemical handling products for ag-chem users that provide the most accurate, safe, convenient and economical way to transfer chemicals.

If, for any reason, any of the products do not meet your performance expectations we want to hear from you. Your comments and suggestions are requested and appreciated. Thank you again for buying a Sotera Systems product. We look forward to serving you in the future.

Sincerely,

Ron C. Bulloch
Vice President & General Manager



SAFETY INSTRUCTIONS

To ensure safe and efficient operation, it is essential to read and follow each of the following warnings and precautions.

1. Agricultural herbicides flowing through the meter may be harmful to your health. Use and disposal of these products is controlled by federal, state or local laws and procedures.
2. Conform to fluid manufacturer's recommended handling procedures when using product and when cleaning meter.
3. Do not exceed an internal meter pressure of 120PSI / 8.2 Bars.
4. **Improper use or installation of this product can cause serious bodily injury or death.**
5. The 825 Digital Meter is not a flammable fluid meter. Do NOT use with fluids with a flashpoint below 100°F such as gasoline and alcohol.

GENERAL DESCRIPTION

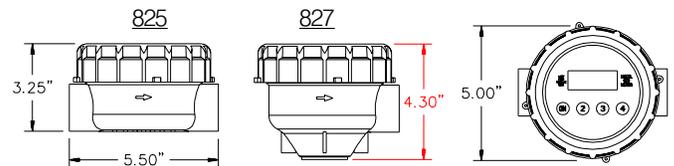
The Sotera 825 Digital Meter is a nutating disk, positive displacement meter which uses magnetic coupling to convert fluid flow into digital display information. The meter can store and display the current flow amount (current total), or cumulative flow amount (totalizer) in any of six user specified units (ounces, pints, quarts, liters, and gallons) or special units (e.g. per acre volume). The meter can be calibrated without dispensing fluid simply by selecting a calibration factor from the 20 stored settings. Power is supplied by two AA replaceable batteries.

TECHNICAL INFORMATION

Flow Ports: 1" NPT inlet/outlet ports, female threads
Flow Range: 2 to 20 U.S. GPM / 7.6 to 75.7 LPM
Pressure: 120 PSI / 8.2 Bars maximum at 70°F/21°C
50 psi/3.4 Bars maximum at 130°F/54°C
Temperature: Min. operating temperature = 0°F/-17°C
Max. operating temperature = 130°F/54°C
Meter can be stored at lower temperatures, but display may not work well below 0°F
Accuracy: ± 0.5% using calibration factor
± 0.2% using liquid calibration
Units of measure: Ounces, pints, quarts, liters, gallons;
special calibration option also available
Range: 9999 current total; 10,000,000 accumulated total

MATERIALS OF CONSTRUCTION:

Body: Polypropylene
Chamber: Ryton, 302 Stainless Steel
Wetted Seals: Fluorocarbon
Electronic Module Weather & Dust Seal: Buna-N
Display: LCD (Liquid Crystal Display)
Power: Two alkaline AA batteries, included
Dimensions:



Fluid Compatibility

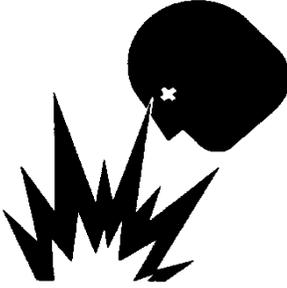
The 825 Digital Meter will handle most pesticides, automotive fluids (except gasoline) and mild acids. It is known to be compatible with the following fluids:

Apron®	Methyl Parathion
Broadstrike® + Dual®	Motor Oil
Broadstrike® + Treflan®	Poast®
Conclude®	Poast HC®
Conclude Extra®	Poast Plus®
Diesel Fuel	Prowl®
Dividend®	Pursuit®
DoublePlay®	Reflex®
Dual®	Rezult®
Eptam 7E®	Ridomil Gold®
Ethylene Glycol	Roundup®
Frontier®	Surpass 100®
FullTime®	Surpass EC®
Fusion®	TopNotch®
Gramoxone Extra®	Touchdown®
Karate®	Treflan®
Manifest®	Water

The 825 Digital Meter is NOT compatible with very strong acids.

If in doubt about compatibility of a specific fluid, contact supplier of fluid to check for any adverse reactions to the following wetted materials.

Polypropylene body	Stainless Steel Screws/Shaft
Fluorocarbon Seals	Ryton Chamber

	 DANGER
	<p>Not for use with fluids that have a flash point below 100°F (37.8°C, ie: gasoline, alcohol). Refer to NFPA 325M (Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids) for flash points of common liquids. Static electricity buildup and discharge could result in arc and explosion.</p>

OPTIONS

- Rear inlet port (Model 827), available January, 1998
- Pulsar output (Model 826), available June, 1998
- 1 5/16" SAE threaded ports

INSTALLATION

Use Teflon tape or thread compound on all threaded joints.

1. Determine direction for fluid flow and point arrow on meter body in that direction.
2. Thread hose or pipe into ports until very snug. Be careful not to cross thread when starting threads.

INSTALLATION HINT

To prevent cross threading, turn the pipe/hose backwards (counterclockwise) until you feel it engage threads, then tighten.

Changing Meter Readout Position

If it is necessary to change position of the meter readout, follow these steps (Refer to exploded view).

1. Unscrew meter cap (item 1). Use a strap type oil filter wrench or large 5" jaw pipe wrench if needed.
2. Insert a wide, flat-head screwdriver into the bottom slot and gently pry up meter cover (see Figure 1).

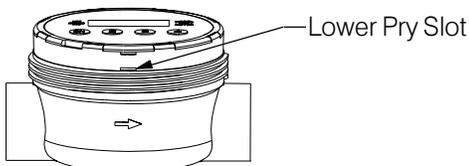


Figure 1

3. Re-install the o-ring on meter cover (see Figure 2).

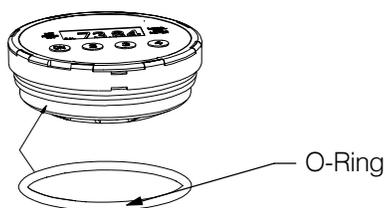


Figure 2

4. Thread on meter cap until hand tight. To check cap tightness, the gap shown should be the thickness of two nickels or smaller (.150") (See Figure 3).

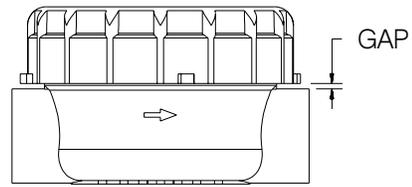


Figure 3

OPERATIONAL FUNCTIONS



- Turns meter on when off.
- Displays accumulated total as long as it is held on. If accumulated total is larger than 9999, the numbers will scroll across the screen.



- When held for 1 second, it resets current total to zero. Also resets to normal operating mode when in CAL or FLSH mode.



- When held for 3 seconds, it allows changes to the calibration factor displayed in the bottom left corner. Repeated activation will increment the number up to 19 and back to zero. When desired number is displayed, press button (2) to lock in the new number and return to normal operation.



- When held for 3 seconds, FLSH is displayed. Fluid dispensed will not be added to either the accumulated total or current total. Press button (2) to return to normal operation.

OPERATING INSTRUCTIONS

CAUTION: Meter will count air if you dispense air. Before initial operation or when air has entered the system, prime the meter by dispensing fluid until all trapped air has been removed. Meter is now ready to operate

1. Press (ON) button to turn meter on. Current total, unit of measure, and calibration factor are displayed. The meter also turns on automatically and begins recording when fluid starts flowing through it.



2. Press button (2) to set current total to "0.00."
3. Begin dispensing.

NOTE: Meter display automatically goes blank after 60 sec-

onds of inactivity and automatically comes back on when flow resumes. *No data is lost during periods of inactivity.*

ONE-STEP CALIBRATION

To select a calibration factor that best fits the selected fluid, see the agricultural chemical chart. For many fluids it is necessary to know the temperature at which the fluid will be dispensed. Note that if the fluid temperature changes significantly, the appropriate calibration factor should be chosen for best accuracy.

Fluid viscosity (in Centipoises (cps)) can also be matched to the graph on page 5 to select the best calibration factor.

AGRICULTURAL CHEMICAL CHART CALIBRATION FACTOR SETTINGS*						
FLUID	FLUID TEMPERATURE**					
	30°F	40°F	50°F	60°F	70°F	80°F
Aatrex®	16	16	16	15	15	14
Broadstrike® + Treflan®	14	14	13	13	13	13
Broadstrike® + Dual®	17	16	16	15	15	15
Dual®	16	16	15	15	14	14
Conclude Xtra®					8	8
Conclude®					6	6
Contour 3.38EC®	18	18	18	18	18	18
DoublePlay®	11	11	11	11	11	11
FulTime®	16	16	16	16	15	15
Fusion®	11	10	10	10	10	10
Gramaxone Extra 9®	9	9	9	9	8	8
Karate®	11	11	11	11	10	10
Manifest®					7	7
Poast HC®					9	9
Prowl 3.3EC®					10	
Pursuit + EC®	13	13	12	12	11	11
Reflex®		10	9	9	8	8
Rezult®					9	9
Roundup Ultra®	16	16	16	15	15	14
Squadron 23CE®					16	
Surpass 100®			9	9	9	9
Surpass EC®	16	15	15	14	14	14
TopNotch®	13	13	13	13	13	13
Touchdown®	16	15	14	13	12	11
Treflan®	13	13	12	12	12	12

*All fluids tested were manufactured in 1997. Meters were calibrated using clean water.

**Fluid temperature in mini bulk tanks stored outdoors will be approximately the average of the daily high and low temperatures.

NOTE: Chart is accurate with original factory calibration or a water calibration. See page 8.

CAUTION: Wear proper safety equipment when handling hazardous fluids.

To Change the Calibration Factor

- Turn meter on.
- Hold button (3) for 3 seconds. Only CAL and the number below it will be displayed. Press button (3) repeatedly to change the number. The number will flip back to zero after reaching 19.
- Press (2) to set number.
- Meter is now ready to use.

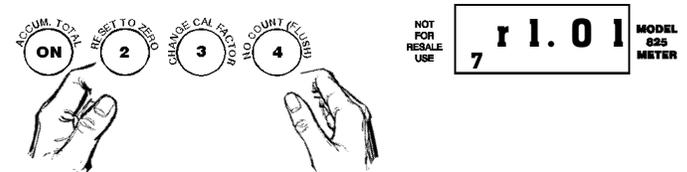


NOTE: If the volume displayed on meter is lower than the amount dispensed, use a lower calibration factor. If volume displayed on meter is higher than the amount dispensed, use a higher calibration factor. Changing the calibration factor by one changes the accuracy by about 1%.

CALIBRATION FACTOR SETTINGS FOR COMMON FLUIDS			
FLUID	TEMP. °F	VISCOSITY CENTIPOISES(CPS)	CALIBRATION FACTOR
Mineral Spirits	NA	0.9	3
Water	NA	1.0	4
Diesel Fuel	70°F	2.5	5
Kerosene	70°F	4.0	6
Ethylene Glycol 100%(Anti-freeze)	70°F	17	10
10 wt Oil	70°F	85	14
30 wt Oil	70°F	280	15
40 wt Oil	70°F	400	17
80-90 wt	70°F	600	17
1000 wt Gear Oil	70°F	4000+	18

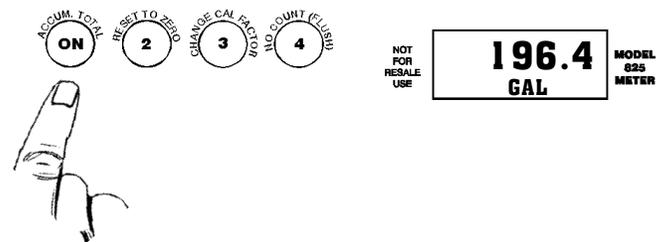
RESET ACCUMULATED TOTAL

- Press (2) and (4) at the same time and hold for 3 seconds.

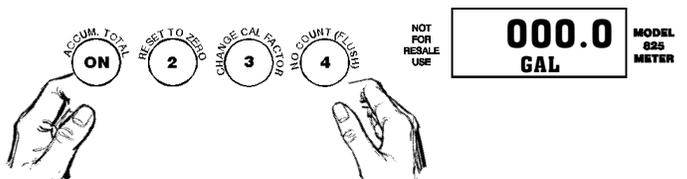


Display will read the version of the software loaded in the meter (example: "7 r1.0l).

- Press (ON) to display accumulated total. If over 9999, display will scroll across the screen



- Hold buttons (ON) and (4) for 5 seconds to reset accumulated total.



- Press button (2) twice to get back to normal operating mode.

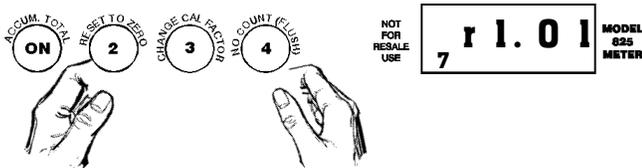
FLUID CALIBRATION

Use these directions to recalibrate a meter using clean water.

If the fluid does not appear on the chart (see the "To Change the Calibration Factor" section), the viscosity is not available, or you desire better accuracy, the meter can be calibrated by dispensing fluid in the following manner:

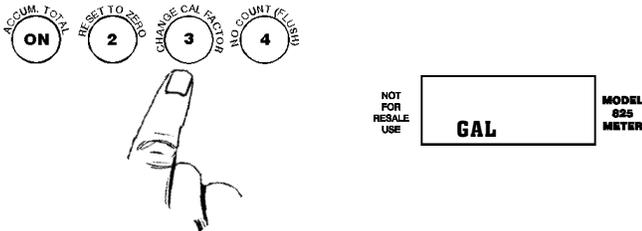
You will need a container of known volume, at least 5 gallons or larger. Do not exceed a 60 gallon container.

1. Press the (2) & (4) buttons at the same time and hold for 3 seconds.



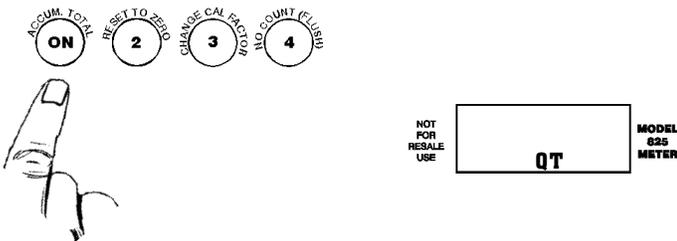
The display will read the version of the software loaded in the meter (example: "7r1.01").

2. Press button (3) to enter calibration mode.

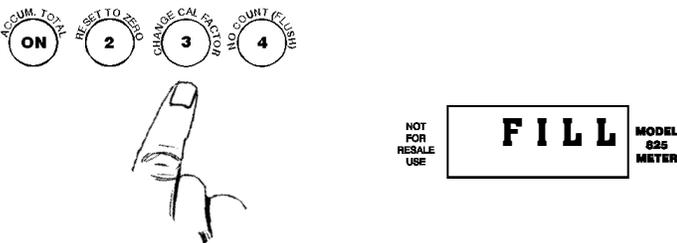


The unit of measure will be displayed.

3. Press the (ON) button to change unit of measure.



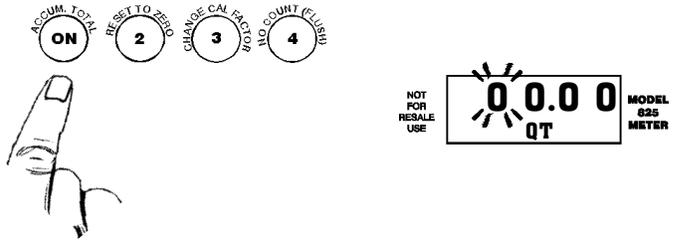
4. Press button (3).



The display will read "FILL".

5. Now dispense fluid into your container. "FILL" will flash on the display. For best results, dispense fluid at the same flow rate as will be used under typical conditions.

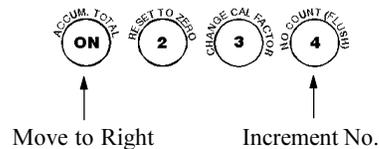
6. After dispensing, press the (ON) button.



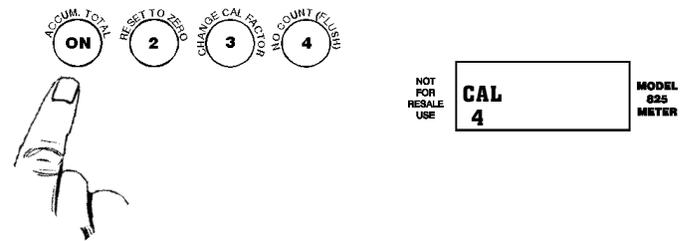
The left digit of the display will blink.

7. Press the (4) button to increment the digit to input the amount of fluid dispensed (example: 05.00).

8. Press the (ON) button to move to the right.

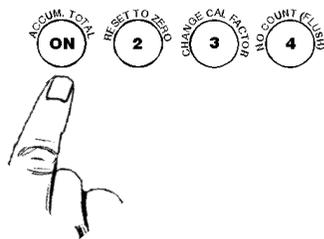


9. After number is loaded, press the (ON) button again to accept.



10. Display now shows "CAL".

Accept this by pressing the (ON) button again. Display will again show "7 r1.01".



Note: If the value entered is out of an acceptable range, the display will read "Err0" and the meter will revert to the previous settings. See Troubleshooting Guide for more information.

11. Press (2) to get back to the normal operating mode.

TO CHANGE UNITS OF MEASURE

The units of measure can be changed to ounces (OZ), pints (PT), quarts (QT), gallons (GAL), or liters (LITER) without recalibrating the meter. If special units are desired, see note below.

1. Hold buttons (2) and (4) for three seconds. Display will read "7r1.01".
2. Press button (3). Display will show the current units.
3. To change units, press the ON button repeatedly until the desired unit is displayed.
4. Press button (2). Display will read "7r1.01".
5. To return to normal operating mode press button (2) again. The units selected will be displayed. Current or accumulated total will be changed to reflect the new units.

Special Units

To use special units, you need to know how many ounces are in your special unit. Here is an example: You want to use "acres" as your "special" unit. The fluid is to be applied at 18 ounces per acre. These are the additional steps to set the meter to "special" units (ignore steps 4 & 5 above):

- a. After selecting "special" in step #3 above, press button (2).
- b. Enter the number of ounces in a special unit by pressing button (4) to increment the digit, and the (ON) button to move the flashing digit to the right. If you make a mistake, press button (2) to start back at the left most digit. Per our example, we would enter 018.0.
- c. Press the (ON) button again. Display will read "7r1.01".
- d. To get back to the normal operating mode, press button (2).

BATTERIES

NOTE: Low battery icon will flash when batteries begin to lose power. Meter still functions properly for several days after the icon begins to flash. Neither calibration, current total or totalizer quantities will be lost when replacing batteries.

To Replace Batteries (refer to exploded view)

1. Unscrew meter cap (item 1). Use a strap type oil filter wrench or large 5" jaw pipe wrench if needed.
2. Insert a wide flat-head screw driver into the top slot (see Figure 4) and gently pry up electronics module.

CAUTION: Be careful not to get fluid or dirt in electronics area.

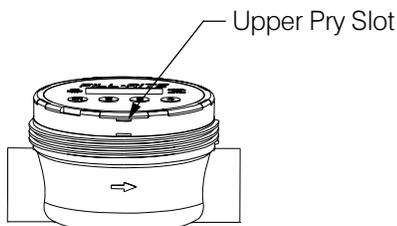


Figure 4

3. Remove old batteries and insert new batteries, making sure battery polarity is correct, or meter damage could occur.

4. As noted in Figure 5, re-install o-ring on electronics module. Press module gently down into meter cover.

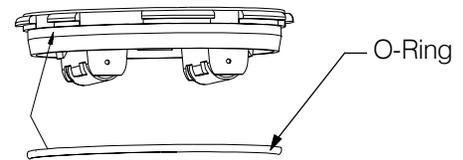


Figure 5

5. Thread on meter cap until hand tight. To check cap tightness, the gap shown should be the thickness of two nickels or smaller (.150") (See Figure 6).

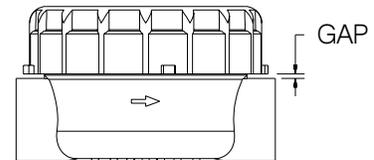


Figure 6

REPAIR

If any meter components are damaged, they should be replaced. See meter drawing and parts list for correct replacement part number before ordering.

Meters being returned for repair must be flushed thoroughly or they will not be accepted. A Material Safety Data Sheet (MSDS) describing last fluid metered must accompany any meter needing service.

MAINTENANCE

Meter should be flushed between uses with water to prevent chemicals from hardening and plugging meter.



CAUTION

Follow fluid manufacturer's recommended procedures for handling and disposing of metered fluids.

Flushing Meter

The 825 Meter can be flushed without adding to the totalizer. Turn meter on by pressing the (ON) button. Press (4) and hold for 3 seconds. Display will show FLSH. Flush meter with suitable fluid (water is suitable for most herbicides). When completed, press (2) to leave FLSH mode and return to normal operation. Quantity of fluid flushed will not be added to total.

Thorough Cleaning (refer to exploded view)

If meter is plugged due to hardened chemical or debris, do the following:

1. Drain all fluid from meter.
2. Unscrew meter cap (item 1). Use a strap type oil filter wrench or large 5" jaw pipe wrench if necessary.
3. Insert a flat-head screwdriver in the lower slot (see Figure

7) and turn to pry up meter cover (item 6).

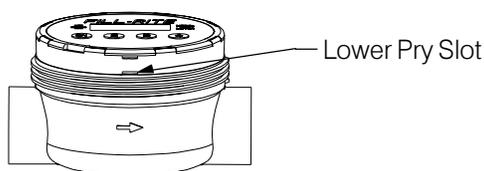


Figure 7

4. The meter chamber (item 8) can now be removed.
5. Rinse all meter components with flushing fluid. Do NOT submerge display assembly. Be careful not to get any fluid or dirt in the electronics module.
6. Reassemble meter.

CALIBRATION NOTE: Over time, the chamber inside the 825 meter will wear, requiring the meter to be recalibrated. When

this should be done depends on the amount and type of fluid dispensed.

In most agricultural situations (less than 1000 gallons of a clean fluid per year), the 825 meter will remain accurate for many years without recalibration. On the other hand, dispensing a gritty fluid may require more frequent recalibration.

The 825 meter is designed to be calibrated with clean water for safe handling. See "Fluid Calibration" section on page 9.

Storage

Store in a cool, dry place. Drain out all fluid that could freeze in the meter.

TROUBLESHOOTING GUIDE			
PROBLEM	POSSIBLE CAUSE	SOLUTION	NOTES
Meter won't turn on	<ul style="list-style-type: none"> • Dead batteries • Damaged or contaminated electronics module 	<ul style="list-style-type: none"> • Replace batteries. • Replace electronics module & gaskets. 	Seal to electronic chamber is broken if display label is removed or punctured.
Flashing decimal	<ul style="list-style-type: none"> • Current total has rolled over 	<ul style="list-style-type: none"> • Reset meter (if desired). 	Meter will continue to operate normally.
Flashing or dim display	<ul style="list-style-type: none"> • Low batteries 	<ul style="list-style-type: none"> • Replace batteries. 	Use alkaline batteries.
Leaking fluid at inlet/outlet port	<ul style="list-style-type: none"> • Need thread sealant • Cross-threaded port 	<ul style="list-style-type: none"> • Add Teflon pipe tape to joint. • Replace body. 	
Fluid flows; meter won't count	<ul style="list-style-type: none"> • Meter disk sticking • Damaged driver or magnet • Meter failure 	<ul style="list-style-type: none"> • Clean out meter chamber. • Repair or replace chamber assembly. • Repair or replace meter. 	
Meter reads high	<ul style="list-style-type: none"> • Air in system • Wrong calibration factor 	<ul style="list-style-type: none"> • Prime system, fix suction leak at pump. • Use a higher calibration factor. • Check fluid temperature 	Meter will count air. Chemical formulations Sometimes change.
Meter reads low	<ul style="list-style-type: none"> • Wrong calibration factor • Meter chamber is worn • Damaged or very worn chamber 	<ul style="list-style-type: none"> • Use a lower calibration factor. • Check fluid temperature. • Recalibrate meter with water. • Replace chamber and recalibrate meter. 	Chemical formulations Sometimes change.
Meter is not consistent	<ul style="list-style-type: none"> • Air in system • Particulates in fluid • Meter has worn or damaged chamber 	<ul style="list-style-type: none"> • Prime system, fix suction leak at pump. • Put screen in front of meter. • Replace chamber. 	40 mesh minimum.
Err0	<ul style="list-style-type: none"> • Calibration error • Damaged chamber 	<ul style="list-style-type: none"> • Recalibrate meter with more accurate container. • Replace chamber. 	Indicates fluid calibration is out of acceptable window. Volumetric container may be off, there may be air in the system, or the meter chamber may be damaged.
Err1	<ul style="list-style-type: none"> • Damaged electronics • Software fault 	<ul style="list-style-type: none"> • Repair or replace electronics. • Press (2) then recalibrate meter 	Contact factory

825 METER PARTS LIST

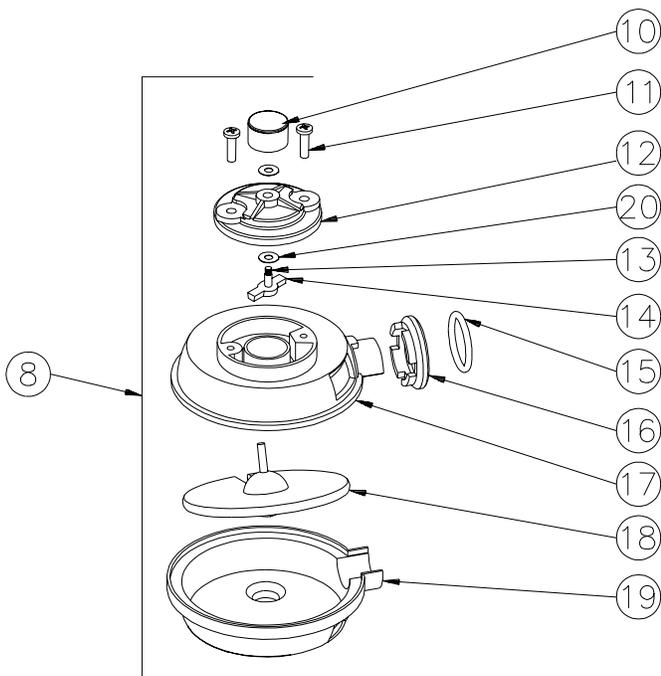
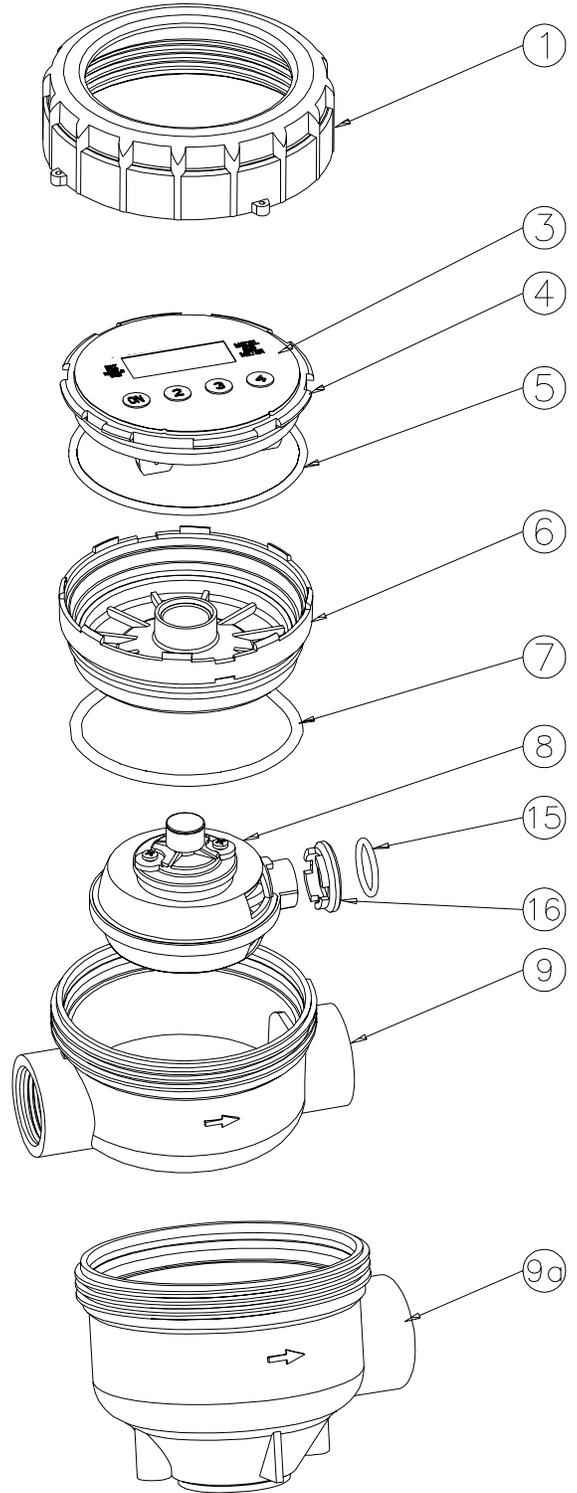
ITM. NO.	PART NO.	DESCRIPTION	QTY.
1	F1537	Meter Cap	1
3	F1558	Display Label	1
4	F1563	Electronic Module	1
5	F1553	O-Ring, Buna-N (2mm x 97 mm) (Black)	1
6	F1534	Meter Cover, Polypropylene	1
7	F1552	O-Ring, Fluorocarbon (2-240) (Brown)	1
8	F1578	Meter Chamber Assembly (Includes items 10-20)	1
9	F1535	Meter Body	1
9a	F1568	Meter Body, Back Port (827)	Opt.

F1582, 825 METER REPAIR KIT

ITM. NO.	PART NO.	DESCRIPTION	QTY.
5	F1553	O-Ring, Buna-N (2 mm x 97 mm) (Black)	1
7	F1552	O-Ring, Viton (2-240) (Brown)	1
8	F1578	Meter Chamber Assembly (Includes items 10-20)	1

F1578, METER CHAMBER ASSEMBLY

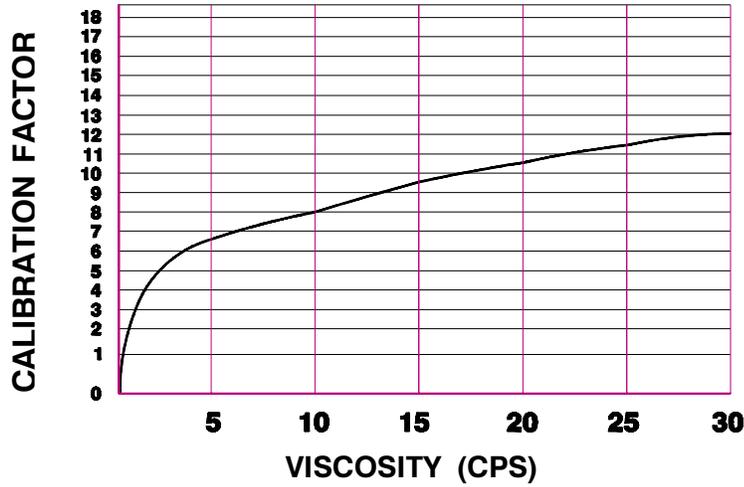
ITM. NO.	PART NO.	DESCRIPTION	QTY.
10	F1577	Magnet Holder	1
11	F4439	Screw, #6-20 x 1/2 Phillips	2
12	F3955	Pinion Plate	1
13	F3965	Pinion Shaft	1
14	G1304	G1304 Driver	1
15	F6588	O-Ring (2-117)	1
16	F1550	Seal Gland	1
17	F3951	Meter Chamber Top	1
18	F3941	Meter Disc	1
19	F3952	Meter Chamber Bottom	1
20	F3980	Washer	2



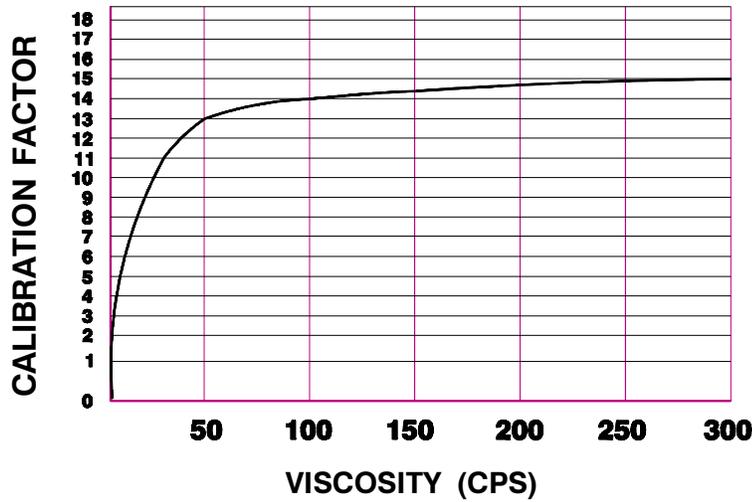
PATENT
PENDING

WHEN ORDERING REPAIR PARTS, BE SURE TO GIVE REPLACEMENT PART NUMBER, DATE OF MANUFACTURE AND METER SERIES NUMBER. THIS WILL ENSURE THAT THE CORRECT REPLACEMENT PART IS SUPPLIED.

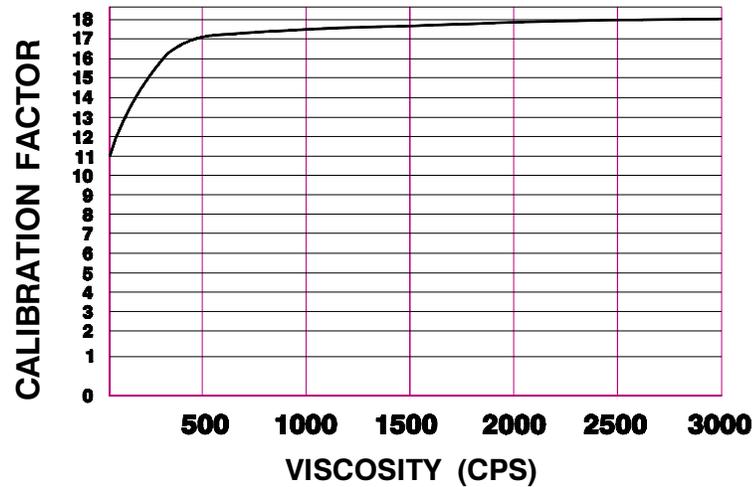
METER CALIBRATION FACTOR SELECTION BASED ON FLUID VISCOSITY



**Low
Viscosity
(thin)
Fluids**



**Medium
Viscosity
Fluids**



**High
Viscosity
(very thick)
Fluids**

NOTE: Graphs are accurate with original factory calibration, or a water calibration. See page 8.

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WELCOME TO A NEW AGE IN CHEMICAL HANDLING PRODUCTS.

With the creation of Sotera systems, Tuthill Corporation has ushered in a new age in chemical handling products for the ag-chem dealer and agricultural user. After more than 35 years of product research and development in fuel and chemical handling equipment, Tuthill Corporation has created Sotera Systems to focus solely on the needs of the ag-chem industry.

You'll recognize the familiar Tuthill traits in every Sotera Systems product, like the uncompromising quality, workmanship and dependability you've always relied on. But Sotera Systems is something more, something unique. It's designed, engineered, tested and serviced by ag-chem people. People who understand the needs of the ag-chem world, the changes that are taking place, and the chemical handling solutions it will take to meet those needs.

A SPECIAL MARKETPLACE. A SPECIAL COMPANY.

The ag-chem market is a dynamic, ever-changing world, which means it is not an industry you can know at a glance. You have to be entrenched. That's why Sotera Systems is out in the fields talking to farmers, dealers and other ag-chem users, and listening to what they have to say.

And they say plenty – everything from concerns about safety, accuracy and governmental policies to convenience, cost and dependability. By being in the fields, Sotera Systems gains tremendous insight into the needs of ag-chem dealers, manufacturers and end users. And uses this information to create products that make sense for their market. It takes a dedicated company to grasp every detail and translate it into ag-chem products that perform. It takes a company like Sotera Systems.

AG-CHEM PRODUCTS. AG-CHEM SUPPORT.

Sotera Systems is not just another product line, it is our only line. Day in and day out, our attention and commitment is to the ag-chem market. And this commitment goes beyond the manufacturing of quality chemical-handling systems; it includes world-wide product support and technical expertise even when you're in the field. Our distributors and dealers are knowledgeable ag-chem professionals who offer years of experience and the latest in chemical-handling advice. Our mission is to lead the way in finding innovative ways to transfer chemicals safely, accurately, conveniently and economically. In partnership with the ag-chem market, Sotera Systems will champion a new age of chemical handling.

PRODUCT WARRANTY

Sotera Systems of Tuthill Corporation ("Manufacturer") warrants to each buyer of its products ("the Buyer") for a period of 12 months from date of invoice or sales receipt but in no event more than 18 months from date of manufacture that goods of its manufacture ("Goods") will be free from defects of material and workmanship. Manufacturer's sole obligation under the foregoing warranties will be limited to either, at Manufacturers' option, replacing or repairing defective Goods (subject to limitations hereinafter provided) or refunding the purchase price for such Goods theretofore paid by the Buyer, and Buyer's exclusive remedy for breach of any such warranties will be enforcement of such obligations of Manufacturer. If Manufacturer so requests the return of the Goods, the Goods will be redelivered to Manufacturer in accordance with Manufacturer's instructions F.O.B. Factory. The remedies contained herein shall constitute the sole recourse of the Buyer against Manufacturer for breach of warranty. IN NO EVENT SHALL MANUFACTURER'S

LIABILITY ON ANY CLAIM FOR DAMAGES ARISING OUT OF THE MANUFACTURE, SALE, DELIVERY OR USE OF THE GOODS EXCEED THE PURCHASE PRICE OF THE GOODS. The foregoing warranties will not extend to Goods subjected to misuse, neglect, accident or improper installation or maintenance, or which have been altered or repaired by anyone other than Manufacturer or its authorized representative. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR PURPOSE OF ANY OTHER TYPE, WHETHER EXPRESS OR IMPLIED. No person may vary the foregoing warranties and remedies except in writing signed by a duly authorized officer of Manufacturer. Warranties or remedies that differ from the foregoing shall not otherwise be binding on Manufacturer. The Buyer's acceptance of delivery of the Goods constitutes acceptance of the foregoing warranties and remedies, and all conditions and limitations thereof.



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